

Peak District National Park

Forecast valid from 06:00 on Sunday 12 Mar 2023 until 23:59 on Monday 13 Mar 2023

Forecast Issued on Sunday 12 Mar 2023 at 02:55

Confidence: High for changeable conditions with fluctuating freezing levels, lower for details.

Headline for Sunday 12 Mar 2023: A mainly dry day, cloud breaking for a time, milder. Becoming wet in evening. Strong west or southwest winds.

Mountain weather hazards on Sunday 12 Mar 2023

Blizzards

No Likelihood

Gales

Medium Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Medium Likelihood

Heavy persistent rain

Low Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Fog	Cloudy	Sunny intervals	Cloudy	Light rain	Heavy Rain
Precipitation probability					
10%	10%	10%	10%	20%	70%

Forecast for Sunday 12 Mar 2023

Weather: A mostly cloudy and dry start to Sunday morning, with drizzle dying out. Cloud thinning and breaking to allow some brightness to break through however some tops may keep cloud until late morning. Snow thawing at all levels. Cloud then thickening from mid-afternoon, with outbreaks of rain developing into the evening, turning heavy by end of the day cloud lowering across all summits.

Chance of cloud-free hill tops above 600m: Mostly 10% or less to start Sunday morning lifting 80% by late morning, then falling 40% by evening and 10% by end of the day.

Low cloud and visibility: Plenty of low cloud at first in morning, mainly above 450-600m, with poor visibility in drizzle, but lifting to 700m during morning then breaking up from late morning to mid-afternoon, with good visibility. Cloud then steadily lowering to 500m, then 400m or less in evening, with visibility becoming moderate to poor in the rain and drizzle.

Forecast for Sunday 12 Mar 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	32/41 W	27/35 W	23/30 SW	25/33 SW	28/38 SW	24/36 S	29/40 SW
300	21/28 W	18/24 SW	17/24 SW	20/27 SW	22/33 SW	18/29 S	22/33 SW
Valley	11/27 W	10/21 SW	12/23 SW	14/28 SW	13/30 SW	11/27 S	14/31 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-3	3/-3	5/-0	6/1	6/0	6/2	7/2
300	6/1	6/1	8/4	9/6	8/4	8/5	9/5
Valley	6/3	7/4	9/7	10/8	9/6	9/6	10/7
Freezing Level*	1200m	1200m	1200m	1600m	1900m	2200m	2500m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

A thaw of lying snow on Sunday.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sun 12 Mar 2023	1.4mm	2mm	2mm

Forecast for Monday 13 Mar 2023

Weather: Mainly cloudy with occasional rain and some brighter spells. Some heavier rain later in the day, turning to snow above 400m during the evening, and increasingly to low levels by late evening though it will be lighter by then.

Maximum wind: Southwest 40 gusts 55mph easing 30 gusts 45mph in afternoon then veering northwest in the evening.

Chance of cloud-free hill tops above 600m: 20% or less lifting 80% later in evening.

Low cloud and visibility: Cloud mainly 500-700m so occasionally bringing hill fog to the tops, visibility underneath mostly good by day but moderate in showery rain. Cloud lowering 400m in evening, with moderate to poor visibility in snow underneath.

Temperature: **Valleys:** Plus 8 Celsius falling to Plus 4 towards evening and zero by mid to late evening.
At 600m: Plus 7 Celsius falling to Plus 1 by evening then Minus 2 by mid to late evening.
Freezing level: Above summits most of day, then falling quickly to 600m in the evening then to low levels by late evening.